

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of removing a filter cake comprising the steps of:
providing a weighted encapsulated breaker comprising ~~encapsulating~~ a breaker material that is
encapsulated in a coating that comprises ~~comprising~~ a polymer material and a filler material
having a specific gravity of at least about 6.5 ~~to create a weighted encapsulated breaker~~; placing
the weighted encapsulated breaker into a subterranean formation as part of a gravel pack
substantially adjacent to a filter cake; allowing the breaker material to diffuse from the weighted
encapsulated breaker; and degrading ~~degrade~~ a portion of the filter cake.
- 14 2. (Currently Amended) The method of claim 1 wherein the breaker material ~~comprises~~ is
an enzyme, an oxidizer, an organic acid, a chelating agent, or a combination thereof.
3. (Currently Amended) The method of claim 1 wherein the breaker material ~~comprises~~ is
~~hemicellulose~~ hemicellulase, sodium persulfate, ammonium persulfate, citric acid, EDTA, or
combinations thereof.
4. (Original) The method of claim 1 wherein the polymer material comprises a partially
hydrolyzed acrylic material.
5. (Currently Amended) The method of claim 1 wherein the polymer material ~~comprises~~ is
a partially hydrolyzed acrylic material crosslinked with an aziridine prepolymer, a partially
hydrolyzed acrylic material crosslinked with a carbodiimide, or a combination thereof.
6. (Original) The method of claim 1 wherein the coating comprises from about 0.5 weight
percent to about 85 weight percent filler material.

7. (Original) The method of claim 1 wherein the coating comprises from about 60 weight percent to about 80 weight percent filler material.
8. (Original) The method of claim 1 wherein the filler material has a median particle size of from about 1 micron to about 15 microns.
9. (Original) The method of claim 1 wherein the filler material has a median particle size of from about 2 micron to about 3 microns.
10. (Currently Amended) The method of claim 1 wherein the filler material ~~comprises~~ is bismuth, tungsten, iron, nickel, tin, or a combination thereof.
11. (Original) The method of claim 1 wherein the coating further comprises a crosslinking agent.
12. (Original) The method of claim 10 wherein crosslinking agent present in an amount of from about 1.5% to 2.5% by weight of total coating weight.
13. (Currently Amended) A method of using a portion of a gravel pack to degrade a portion of a filter cake comprising the steps of: providing a weighted encapsulated breaker comprising encapsulating a breaker material that is encapsulated in a coating that comprises ~~comprising~~ a polymer material and a filler material having a specific gravity of at least about 6.5 ~~to create an weighted encapsulated breaker~~; providing a gravel material and a delivery fluid; slurring the weighted encapsulated breaker and gravel into a delivery fluid to create a gravel packing composition; introducing the gravel packing composition to a well bore having a filter cake thereon so that a gravel pack ~~comprising weighted encapsulated breaker~~ is formed substantially adjacent to the filter cake; ~~and~~, allowing the breaker material to ~~is~~ diffuse from the encapsulated breaker; and degrading ~~degrade~~ a portion of the filter cake.

14. (Currently Amended) The method of claim 13 wherein the breaker material ~~comprises~~ is an enzyme, an oxidizer, an organic acid, a chelating agent, or a combination thereof.
15. (Currently Amended) The method of claim 13 wherein the breaker material ~~comprises~~ is ~~hemicellulose~~ hemicellulase, sodium persulfate, ammonium persulfate, citric acid, EDTA, or combinations thereof.
16. (Original) The method of claim 13 wherein the polymer material comprises a partially hydrolyzed acrylic material.
17. (Currently Amended) The method of claim 13 wherein the polymer material ~~comprises~~ is a partially hydrolyzed acrylic material crosslinked with an aziridine prepolymer, a partially hydrolyzed acrylic material crosslinked with a carbodiimide, or a combination thereof.
18. (Original) The method of claim 13 wherein the coating comprises from about 0.5 weight percent to about 85 weight percent filler material.
19. (Original) The method of claim 13 wherein the coating comprises from about 60 weight percent to about 80 weight percent filler material.
20. (Original) The method of claim 13 wherein the filler material has a median particle size of from about 1 micron to about 15 microns.
21. (Original) The method of claim 13 wherein the filler material has a median particle size of from about 2 micron to about 3 microns.
22. (Currently Amended) The method of claim 13 wherein the filler material ~~comprises~~ is bismuth, tungsten, iron, nickel, tin, or a combination thereof.
23. (Original) The method of claim 13 wherein the coating further comprises a crosslinking agent.

24. (Original) The method of claim 23 wherein crosslinking agent present in an amount of from about 1.5% to 2.5% by weight of total coating weight.
25. (Original) A method of placing a gravel pack in a subterranean formation comprising the steps of: providing a gravel pack composition comprising a transport fluid, gravel particles, and a weighted encapsulated breaker material wherein the weighted encapsulated breaker material comprises a breaker material and a coating material comprising a polymer material and a filler material having a specific gravity of at least about 6.5; and, introducing the gravel pack composition into a well bore so that the gravel particles form a gravel pack substantially adjacent to the well bore.
26. (Currently Amended) The method of claim 25 wherein the breaker material ~~comprises~~ is an enzyme, an oxidizer, an organic acid, a chelating agent, or a combination thereof.
27. (Currently Amended) The method of claim 25 wherein the breaker material ~~comprises~~ is ~~hemicellulose~~ hemicellulase, sodium persulfate, ammonium persulfate, citric acid, EDTA, or combinations thereof.
28. (Original) The method of claim 25 wherein the polymer material comprises a partially hydrolyzed acrylic material.
29. (Currently Amended) The method of claim 25 wherein the polymer material ~~comprises~~ is a partially hydrolyzed acrylic material crosslinked with an aziridine prepolymer, a partially hydrolyzed acrylic material crosslinked with a carbodiimide, or a combination thereof.
30. (Original) The method of claim 25 wherein the coating comprises from about 0.5 weight percent to about 85 weight percent filler material.
31. (Original) The method of claim 25 wherein the coating comprises from about 60 weight percent to about 80 weight percent filler material.

32. (Original) The method of claim 25 wherein the filler material has a median particle size of from about 1 micron to about 15 microns.
33. (Original) The method of claim 25 wherein the filler material has a median particle size of from about 2 micron to about 3 microns.
34. (Currently Amended) The method of claim 25 wherein the filler material ~~comprises~~ is bismuth, tungsten, iron, nickel, tin, or a combination thereof.
35. (Original) The method of claim 25 wherein the coating further comprises a crosslinking agent.
36. (Original) The method of claim 35 wherein crosslinking agent present in an amount of from about 1.5% to 2.5% by weight of total coating weight.
- 37.-48. (Cancelled)